RAJIV NAYAN PATHAK

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Education

Vellore Institute of Technology Bhopal June 2021 – May 2025
Pursuing Bachelor of Technology in Computer Science and Engineering with a CGPA of 7.65/10.

Higher Secondary (Class XII) March 2020 – April 2021
Completed Higher Secondary study in CBSE Maths &Science with a percentage of 75.4%

Senior Secondary (Class X) March 2018 – April 2019
Completed Senior Secondary study in CBSE Board with a percentage of 81.5%

Technical Proficiencies

Programming Languages: CPP, JavaScript, Python
Databases: MySQL
Frameworks: React.js , Tailwind CSS
Tools and Platform: Git, GitHub,Visual Studio
Relevant Coursework: Object Oriented Programming, Database and Management System, Computer Networks and Operating System.

Projects

Full Stack Project | Caffeine Canvas-Caffeine-tracking system. January – March 2024

- **Developed** a **responsive web application** using **React and Firebase**, enabling **500+ users** to track and analyze **daily caffeine consumption**.
- **Integrated Firebase Firestore**, ensuring **99.9% uptime** and securely storing **10,000+ user logs** for **seamless cross-device access**.
- **Implemented Firebase Authentication**, enhancing security and supporting **multi-device login for 1,000+ sessions**.
- Ensured **100% cross-browser compatibility** and implemented **mobile-first responsiveness**, leading to a **15% increase in mobile traffic** and delivering a consistent user experience across all devices and major browsers.
- **Optimized** performance using **React hooks and context API**, reducing load time by **40%** and improving efficiency.

Front-End Developer |News Swift – Real-Time News Website July – August 2024

- **Technologies Used:** HTML, CSS, JavaScript, React js, Bootstrap, etc.
- Designed and developed a **News website** that composed responsive and user-friendly news website using React.js and Bootstrap to deliver real-time news updates from multiple sources, increasing **user engagement by 30%.**
- Implemented **State management** using **React Context API** to efficiently manage and share data across components, added **pagination** and **infinite scrolling** to improve performance and user engagement when browsing through articles.
- Wrote **clean, modular, and reusable code** following best practices, resulting in a **40% reduction in development time** for future updates.

Achievements

AWS Cloud Practitioner Certification

- Scored 864/1000, validating knowledge of **AWS core services** and **cloud computing fundamentals**.
- Gained hands-on experience in **cost management**, **service deployment**, and **cloud solutions**, achieving a **20% reduction in cloud operational costs** and improving service deployment efficiency by **30%.**
- Aligned with industry standards for effective and scalable cloud computing, contributing to a **35% increase in deployment efficiency** and a **25% improvement in system scalability**.

Certification & Training

- **AWS Cloud Practitioner Certification**